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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
09/977,207	10/16/2001	Hideo Miura	500.34397CV2	4397
20457	7590 06/15/2004		EXAMINER	
ANTONELLI, TERRY, STOUT & KRAUS, LLP 1300 NORTH SEVENTEENTH STREET SUITE 1800			MALDONADO, JULIO J	
			ART UNIT	PAPER NUMBER
ARLINGTON	I, VA 22209-9889	2823		

DATE MAILED: 06/15/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)				
Office Action Summary		09/977,207	MIURA ET AL.	•			
		Examiner	Art Unit				
		Julio J. Maldonado	2823				
Period fo	The MAILING DATE of this communica or Reply	tion appears on the cover shee	t with the correspondence a	ddress			
THE - Exte after - If the - If NO - Failu Any	ORTENED STATUTORY PERIOD FOR MAILING DATE OF THIS COMMUNICA nasions of time may be available under the provisions of 3 SIX (6) MONTHS from the mailing date of this communication of the period for reply specified above is less than thirty (30) depended for reply is specified above, the maximum statute re to reply within the set or extended period for reply will reply received by the Office later than three months after ed patent term adjustment. See 37 CFR 1.704(b).	ATION. 7 CFR 1.136(a). In no event, however, magation. ays, a reply within the statutory minimum of the prior will expire SIX (6), by statute, cause the application to become	ny a reply be timely filed f thirty (30) days will be considered time MONTHS from the mailing date of this ne ABANDONED (35 U.S.C. § 133).	ely. communication.			
Status							
1)⊠	1) Responsive to communication(s) filed on 08 March 2004.						
2a)□	This action is FINAL . 2b)						
3)□	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposit	ion of Claims						
5) 6) 7)							
Applicat	ion Papers						
9)[The specification is objected to by the E	xaminer.					
10)	0)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.						
	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
11)□	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority (ınder 35 U.S.C. § 119						
12) △ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) △ All b) ☐ Some * c) ☐ None of: 1. △ Certified copies of the priority documents have been received. 2. ☐ Certified copies of the priority documents have been received in Application No 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.							
Attachmen	• •	_					
	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO		ew Summary (PTO-413) No(s)/Mail Date				
3) Infor	mation Disclosure Statement(s) (PTO-1449 or PT Provided in the PTO		of Informal Patent Application (P1	ΓO-152)			

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DETAILED ACTION

Election/Restrictions

- 1. Restriction to one of the following inventions is required under 35 U.S.C. 121:
 - Claims 15-33, 35 and 36, drawn to a method of manufacturing a semiconductor device, classified in class 438, subclass 452.
 - Claim 34, drawn to a semiconductor device, classified in class 257, subclass 506.
- 2. Inventions I and II are related as process of making and product made. The inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be used to make other and materially different product or (2) that the product as claimed can be made by another and materially different process (MPEP § 806.05(f)). In the instant case the product as claimed can be made by another and materially different process such as forming an oxidation-prevention film on an unoxidized surface of a silicon substrate; implanting oxygen atoms at an energy such that the implanted oxygen atoms are localized at the covered surface of said silicon substrate; and heat-treating said silicon substrate, thus forming an oxidized surface of said silicon substrate.
- 3. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.

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4. Because these inventions are distinct for the reasons given above and the search required for Group I is not required for Group II, restriction for examination

purposes as indicated is proper.

Conclusion

5. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to examiner Julio J. Maldonado whose telephone number

is (571) 272-1864. The examiner can normally be reached on Monday through Friday.

6. If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Olik Chaudhuri, can be reached on (571) 272-1855. The fax number for this

group is 703-872-9306 for before final submissions, 703-872-9306 for after final

submissions and the customer service number for group 2800 is (703) 306-3329.

Updates can be found at http://www.uspto.gov/web/info/2800.htm.

Julio J. Maldonado Patent Examiner Art Unit 2823

Julio J. Maldonado June 9, 2004

Primary Examiner